Amendment To The Claims:

1. (Currently amended) A method for performing a measurement in a network comprising:

creating an Internet Protocol Measurement Protocol (IPMP) packet by a measurement host;

including in the IPMP packet instructions for a recipient of the IPMP packet, said instructions including an instruction to a recipient to process the IPMP packet in accordance with an actual packet type and an actual port number included in a first and second predetermined location, respectively, rather than a faux packet type and a faux port number that are included in an [[the]] actual packet type field and an actual port number field [[fields]], respectively.

2. (Original) The method according to claim 1, further comprising: inserting in a packet type field in the IPMP packet an identification indicating the IPMP packet is a faux packet type.

3. (Original) The method according to claim 1, further comprising: inserting in a port number field in the IPMP packet a faux port number.

4. (Original) The method according to claim 1, further comprising: inserting in a first predetermined field in the IPMP packet an actual packet type.

5. (Original) The method according to claim 1, further comprising: inserting in a second predetermined field in the IPMP packet an actual port number.

6. (Original) The method according to claim 1, further comprising: encapsulating the IPMP packet in an Internet Protocol (IP) datagram and a predetermined link layer protocol.

7. (Original) The method according to claim 6, further comprising sending the IPMP packet into the network from the measurement host.

8. (Currently amended) An apparatus for performing a measurement in a network comprising:

a processor disposed in a measurement host; and

a memory coupled to the processor and storing computer readable instructions causing the processor to:

create an Internet Protocol Measurement Protocol (IPMP) packet;

include in the IPMP packet instructions for a recipient of the IPMP packet, said instructions including an instruction to a recipient to process the IPMP packet in accordance with an actual packet type and an actual port number included in a first and second predetermined location, respectively, rather than a faux packet type and a faux port number that are included in an [[the]] actual packet type field and an actual port number field [[fields]], respectively.

9. (Original) The apparatus according to claim 8, wherein said computer readable instructions further cause said processor to insert in a packet type field in the IPMP packet an identification indicating the IPMP packet is a faux packet type.

10. (Original) The apparatus according to claim 8, wherein said computer readable instructions further cause said processor to insert in a port number field in the IPMP packet a faux port number.

11. (Original) The apparatus according to claim 8, wherein said computer readable instructions further cause said processor to insert in a first predetermined field in the IPMP packet an actual packet type.

12. (Original) The apparatus according to claim 8, wherein said computer readable instructions further cause said processor to insert in a second predetermined field in the IPMP packet an actual port number.

13. (Original) The method according to claim 8, wherein said computer readable instructions further cause said processor to encapsulating the IPMP packet in an Internet Protocol (IP) datagram and a predetermined link layer protocol.

14. (Original) The method according to claim 13, wherein said computer readable instructions further cause said processor to send the IPMP packet into the network from the measurement host.

15. (Currently amended) A computer readable media having encoded thereon computer readable instructions causing a processor to:

create an Internet Protocol Measurement Protocol (IPMP) packet;

include in the IPMP packet instructions for a recipient of the IPMP packet, said instructions including an instruction to a recipient to process the IPMP packet in accordance with an actual packet type and an actual port number included in a first and second predetermined location, respectively, rather than a faux packet type and a faux port number that are included in an [[the]] actual packet type field and an actual port number field [[fields]], respectively.

16. (Original) The computer readable media according to claim 15, wherein said computer readable instructions further cause said processor to insert in a packet type field in the IPMP packet an identification indicating the IPMP packet is a faux packet type.

17. (Original) The computer readable media according to claim 15, wherein said computer readable instructions further cause said processor to insert in a port number field in the IPMP packet a faux port number.

18. (Original) The computer readable media according to claim 15, wherein said computer readable instructions further cause said processor to insert in a first predetermined field in the IPMP packet an actual packet type.

19. (Original) The computer readable media according to claim 15, wherein said computer readable instructions further cause said processor to insert in a second predetermined field in the IPMP packet an actual port number.

20. (Original) The computer readable media according to claim 15, wherein said computer readable instructions further cause said processor to encapsulating the IPMP packet in an Internet Protocol (IP) datagram and a predetermined link layer protocol.

21. (Original) The computer readable media according to claim 20, wherein said computer readable instructions further cause said processor to send the IPMP packet into the network from the measurement host.